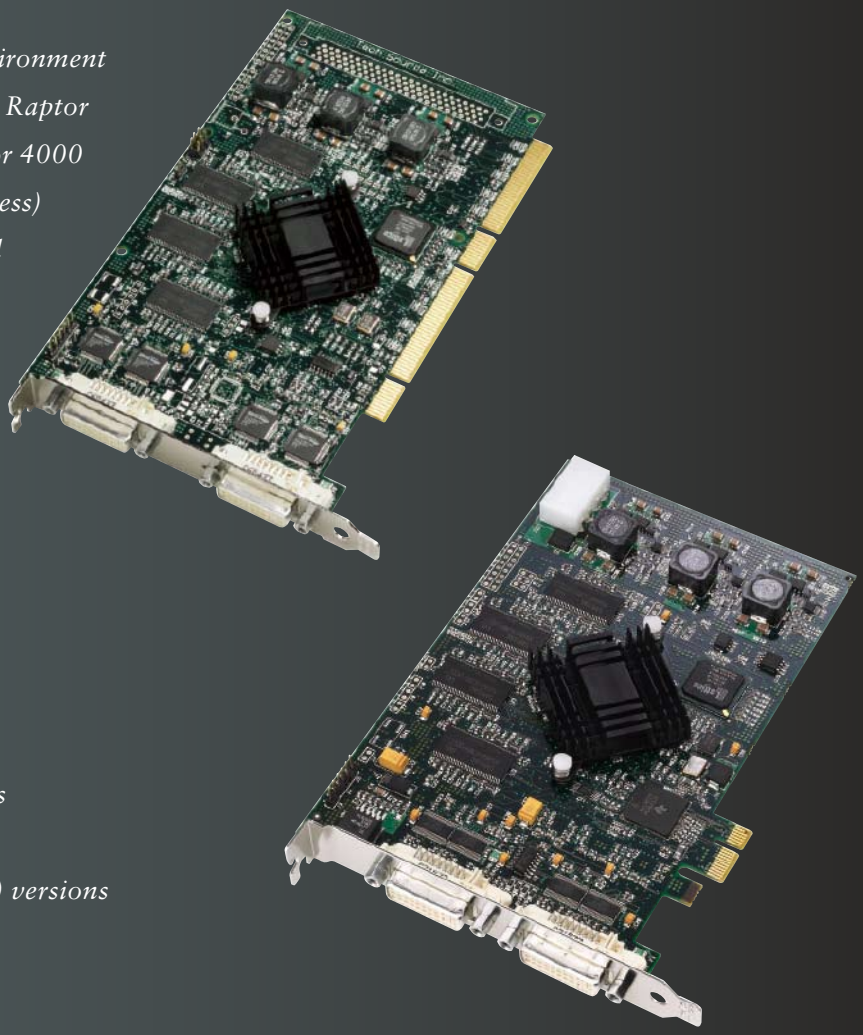
Tech Source

Raptor™ 4000
Raptor™ 4000e

High Resolution Color Video Graphics Adapters

Adapt to the changing ATC environment with two new additions to the Raptor family of graphic boards. The Raptor 4000 (PCI) and Raptor 4000e (PCI Express) both support high resolution digital and analog monitors and address the specific requirements of markets like air traffic management, vessel traffic control, and command and control applications.

- *Multiple high resolutions*
- *8/16/24/32-bits per pixel*
- *256 MB frame buffer*
- *2 DVI-I outputs*
- *Support for major Unix platforms*
- *MOX/layering support*
- *PCI and PCI Express (short card) versions*



FEATURES

Multiple Resolution Support

The resolutions are software configurable, and both boards have two DVI-I outputs for simultaneous display on analog/digital monitors. With high resolution support, they can simultaneously drive one monitor with a resolution of 2048 × 2048, such as the Raptor 2000 LCD or Raptor SQ2801 LCD, as well as a second monitor with a resolution of 2560 × 1600. The optional analog configuration can support the Sony DDM CRT monitor.

Maximum Performance, Minimum Usage

With 256MB of on-board memory and an efficient memory manager, the boards offer excellent drawing performance with minimum host CPU usage. They support layering by using several methods including MOX (multiple overlay extension). They can also be configured in a 24-bit true color mode for high-resolution image viewing applications. Modes that support 8-bit and 24-bit simultaneous visuals or two 8-bit visuals are also available.

Backward Compatibility

The boards are backward compatible with their predecessors such as the Raptor 2100T and Raptor 2500T-DL so customers can maintain the same functionality they are accustomed to while enjoying new features of these boards.

Wide-Ranging Support

The Raptor 4000 and Raptor 4000e are supported on many UNIX platforms and include time-tested driver software that is developed in house and is easy to install. All these features are available along with the exemplary technical support that Tech Source customers have come to expect.

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Specifications

	Raptor 4000	Raptor 4000e
Frame Buffer Size	256 MB	
MOX Hardware	Tech Source MOX Functionality; 32 layer management	
Color Lookup Table	2048 entries from a palette of 16.7 million colors + 2 AUX 256	
Graphics Modes	8 bit, 24 bit, 8+8, 8+24, MOX 16, MOX 24, MOX 32 (software configurable)	
Dynamic Color Plane Groups	32	
Interface	33/66 MHz 32/64-bit Revision 2.2	PCI Express 1x, Compliant with PCI Express Base Spec
Video Connectors	DVI-I x 2	
Maximum Supported Resolutions	Digital: 2560 x 2048 for both connectors Analog: 2048 x 2048 for first connector and 1920 x 1200 for second connector	
Temperature Rating	10° to 50° C (operating) -10° to 70° C (non-operating)	
Humidity Rating	10% to 90% (non-condensing)	
Power Rating	Less than 25 watts	
Dimensions (L × W)	174.6 mm × 106.7 mm	167.7 mm × 111 mm

Software Environments*	• Sun Microsystems Solaris
	• Solaris x86
	• HP Tru64 UNIX
	• HP-UX
	• IBM AIX
	• Linux Red Hat

** Please contact for further details or additional environments.*

About Tech Source

Tech Source has provided graphics solutions to the ATC and military markets for more than 20 years. Its Raptor series of graphics boards are renowned for their industry-leading performance, ease-of-installation, and driver support for all Unix platforms. Other solutions Tech Source provides for the market include high-resolution LCD monitors, an analog 2K × 2K video switch, and record/playback software.

In 2007, Tech Source was acquired by Eizo Nanao Corporation, a leading manufacturer of high-end visual display products. The combined expertise and complementary product lines of Tech Source and EIZO will allow the companies to produce cutting-edge graphics solutions for ATC, military, and other markets.

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